PiBot Hardware User Manual

PiBot

Electronic & Mechanics

Welcome use of PiBot!

When you received the PiBot hardware, please, open it.

Seven bags

End stop	×1
LCD	×1
Driver signal	×1
Controller	×1
Driver power	×1
USB Cabel	×1
Thermistor	×2

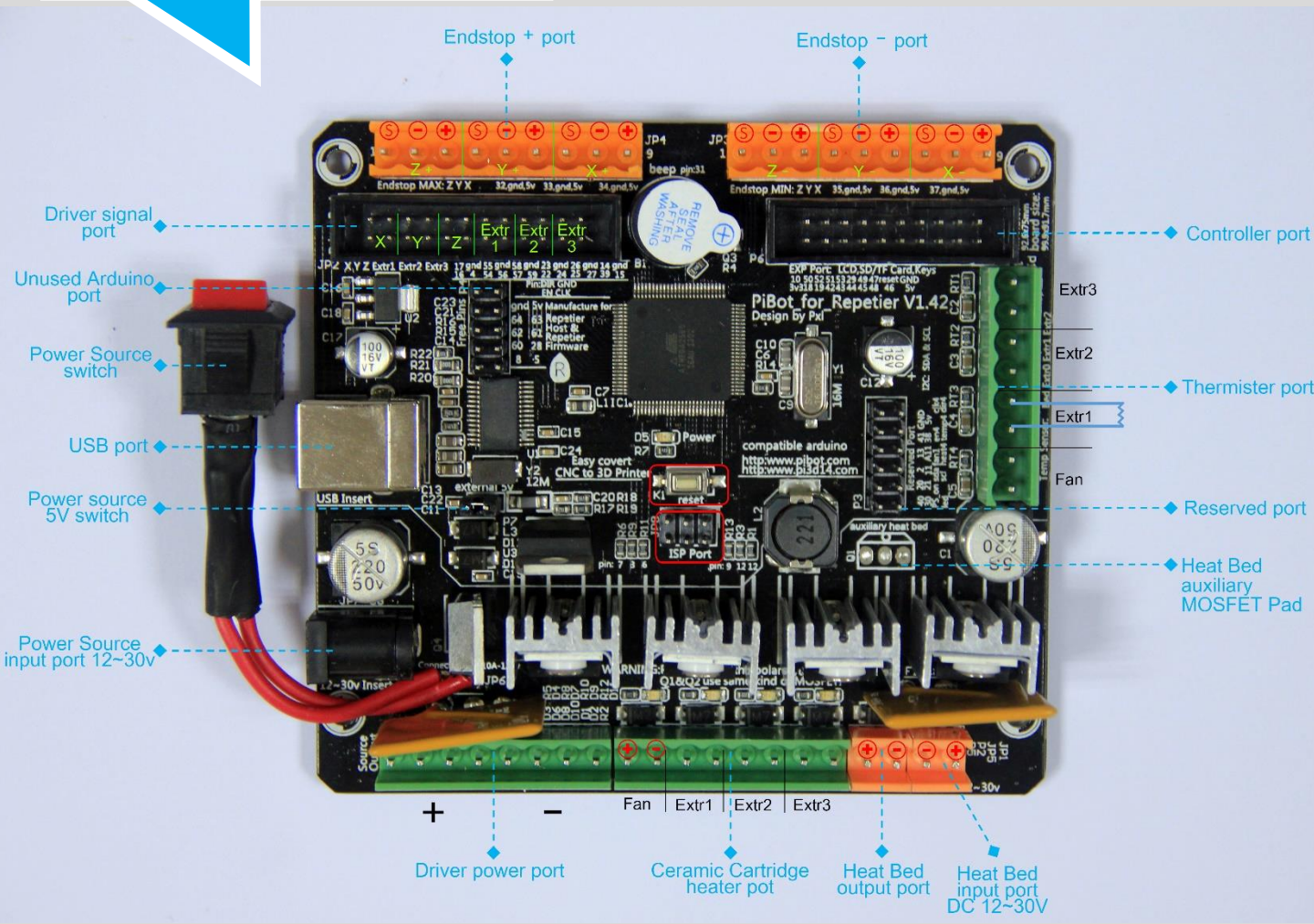
Ten PCB boards

Endstop board	×3
Stepper motor driver	×4
Controller board	×1
LCD2004	×1
Mother board	×1

If you want to quickly assemble this set of PiBot electronic hardare.
Please finish following steps!

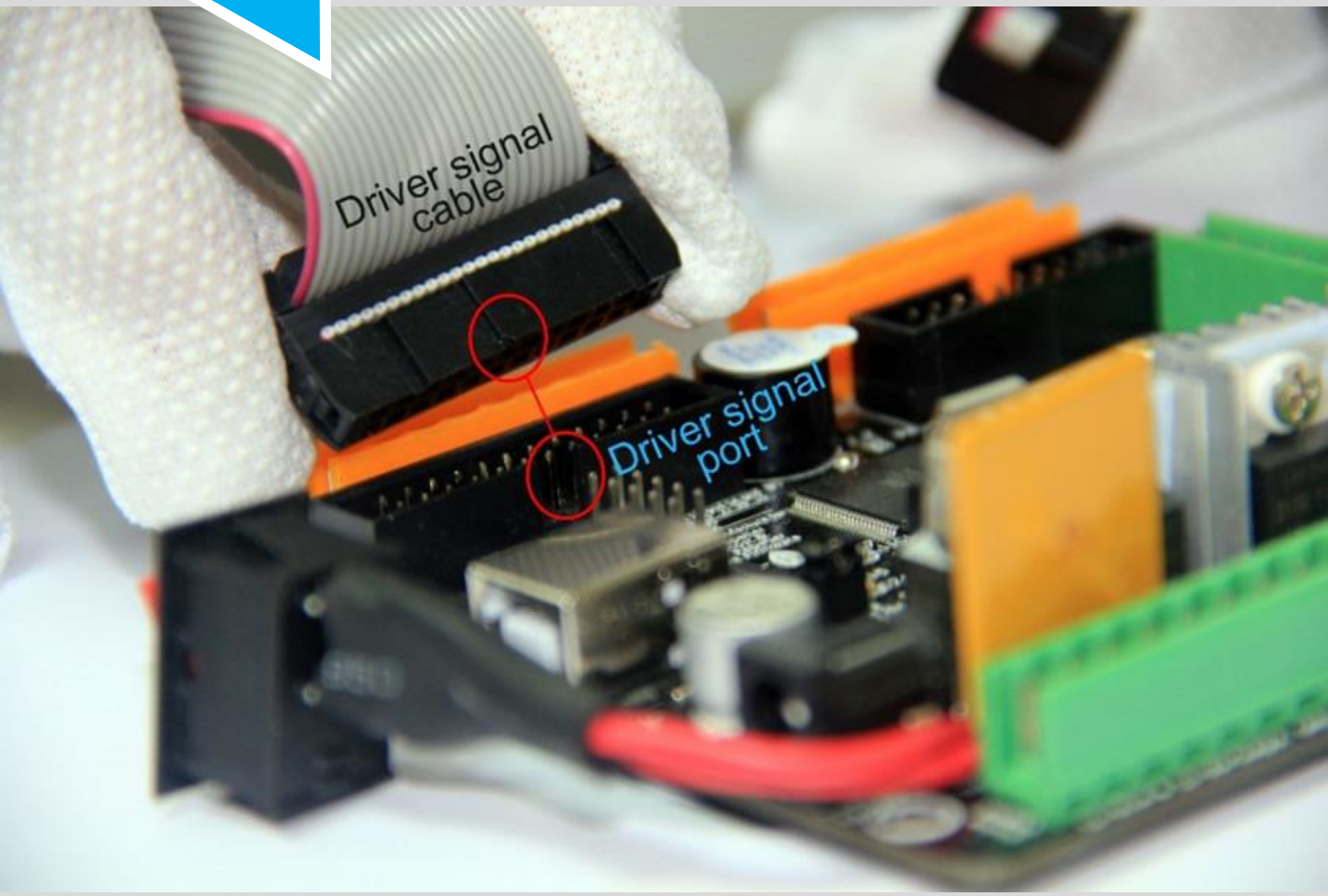
1

The firstly, Take out the mother board, and find out these ports.



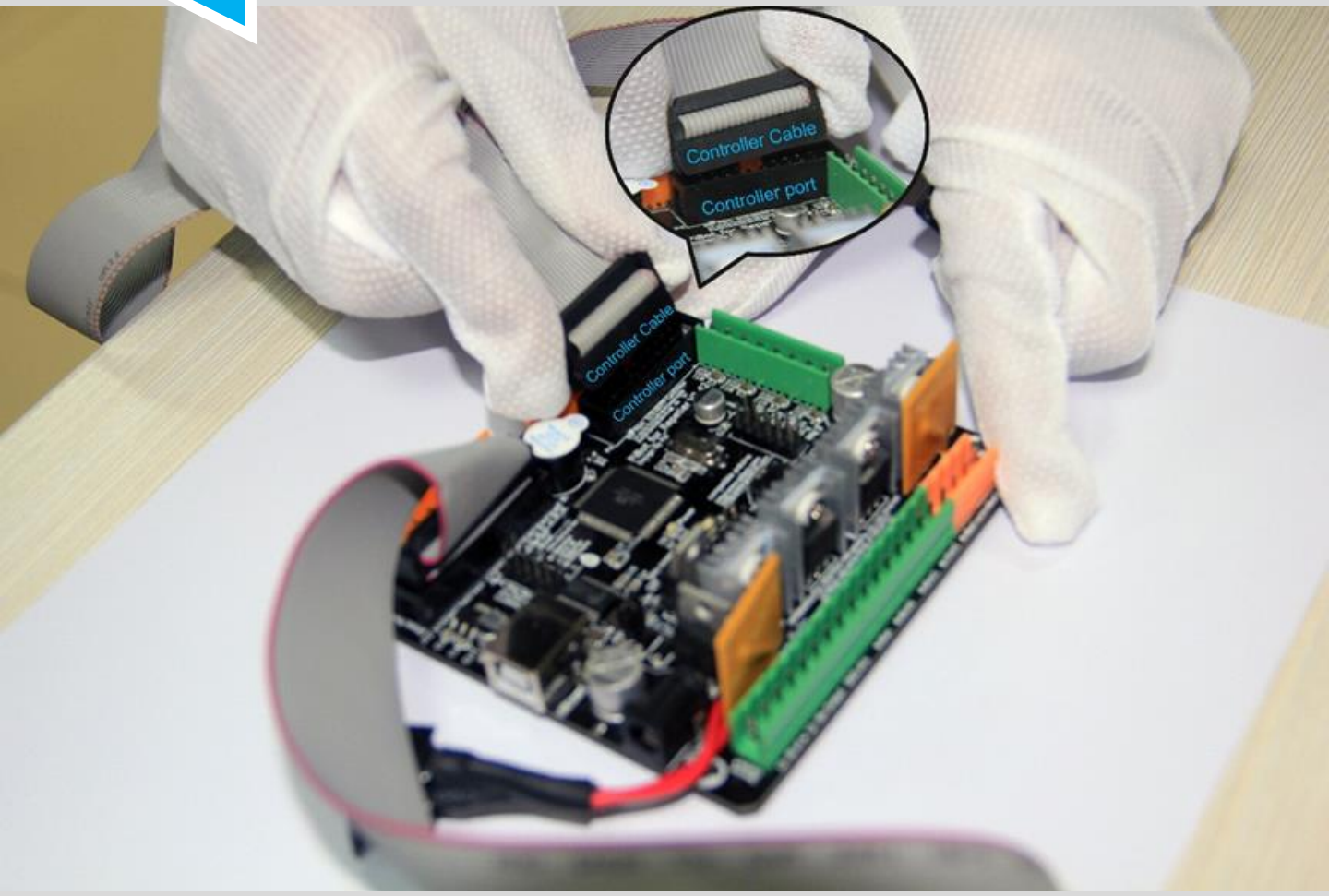
2

The secondly, get out package bags and take cables out. Select the Driver signal cable and put it into the Driver signal port.



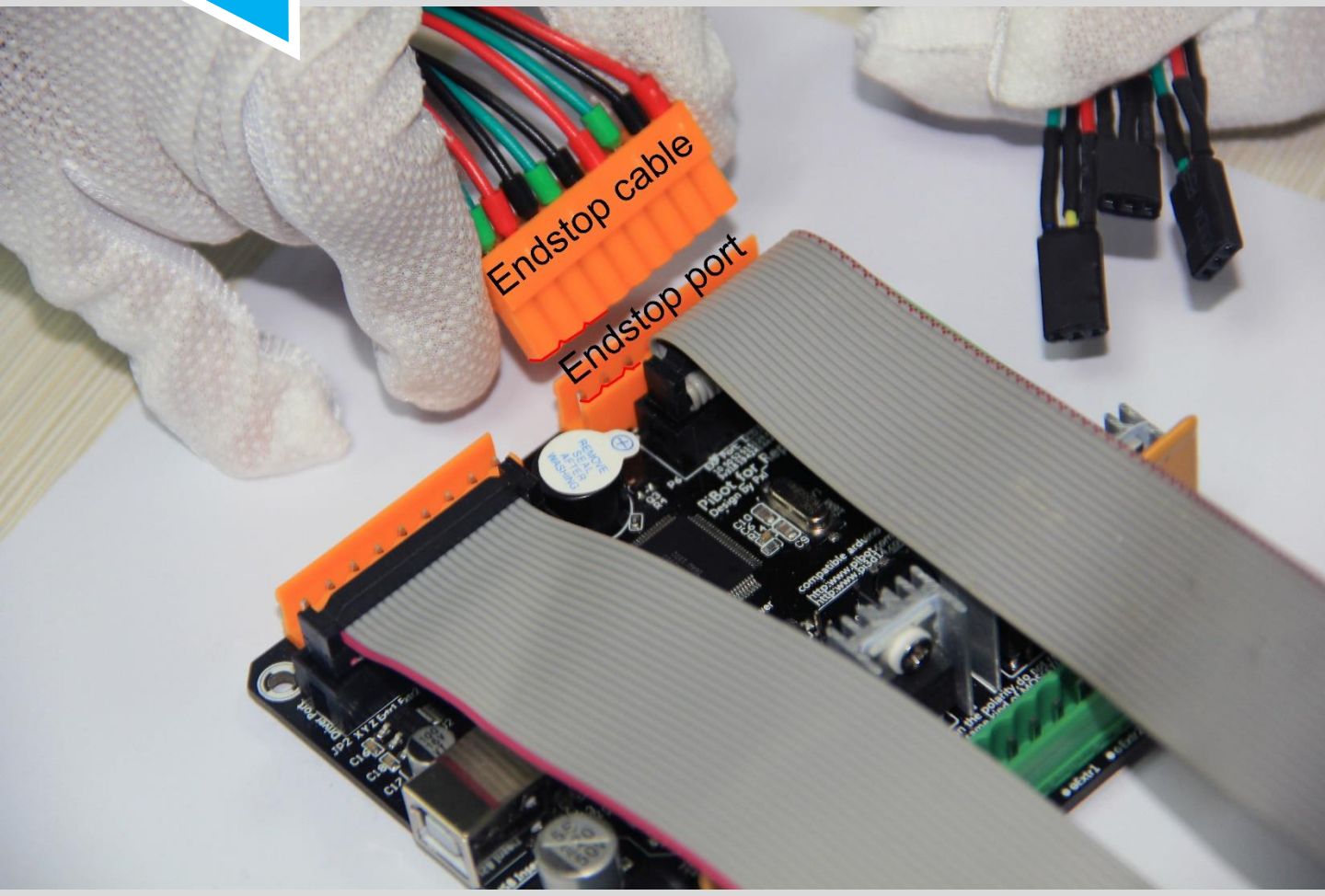
3

The thirdly, assemble the controller cable.



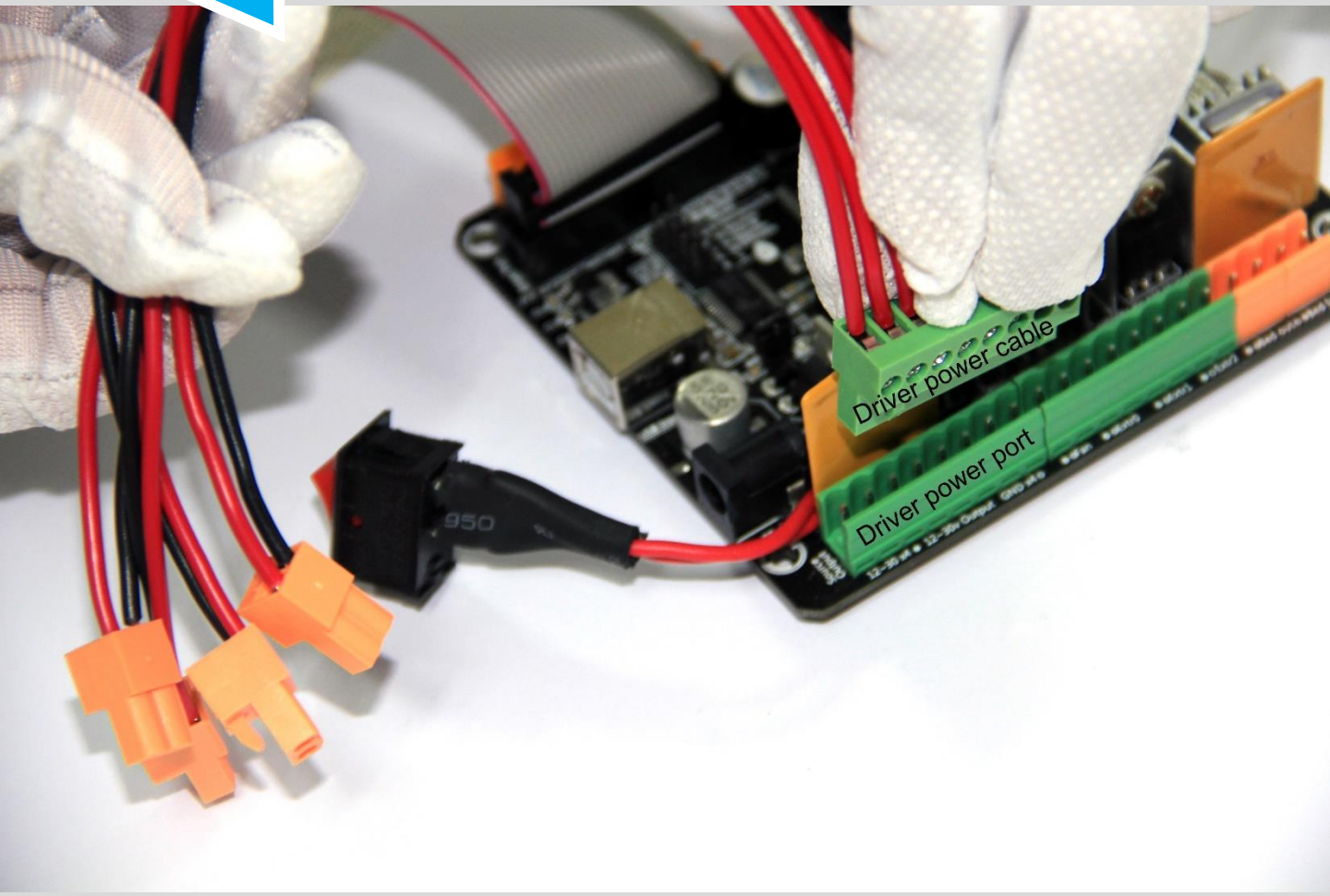
4

The fourthly, connect the Endstop cable that can easily plug into the End stop port.



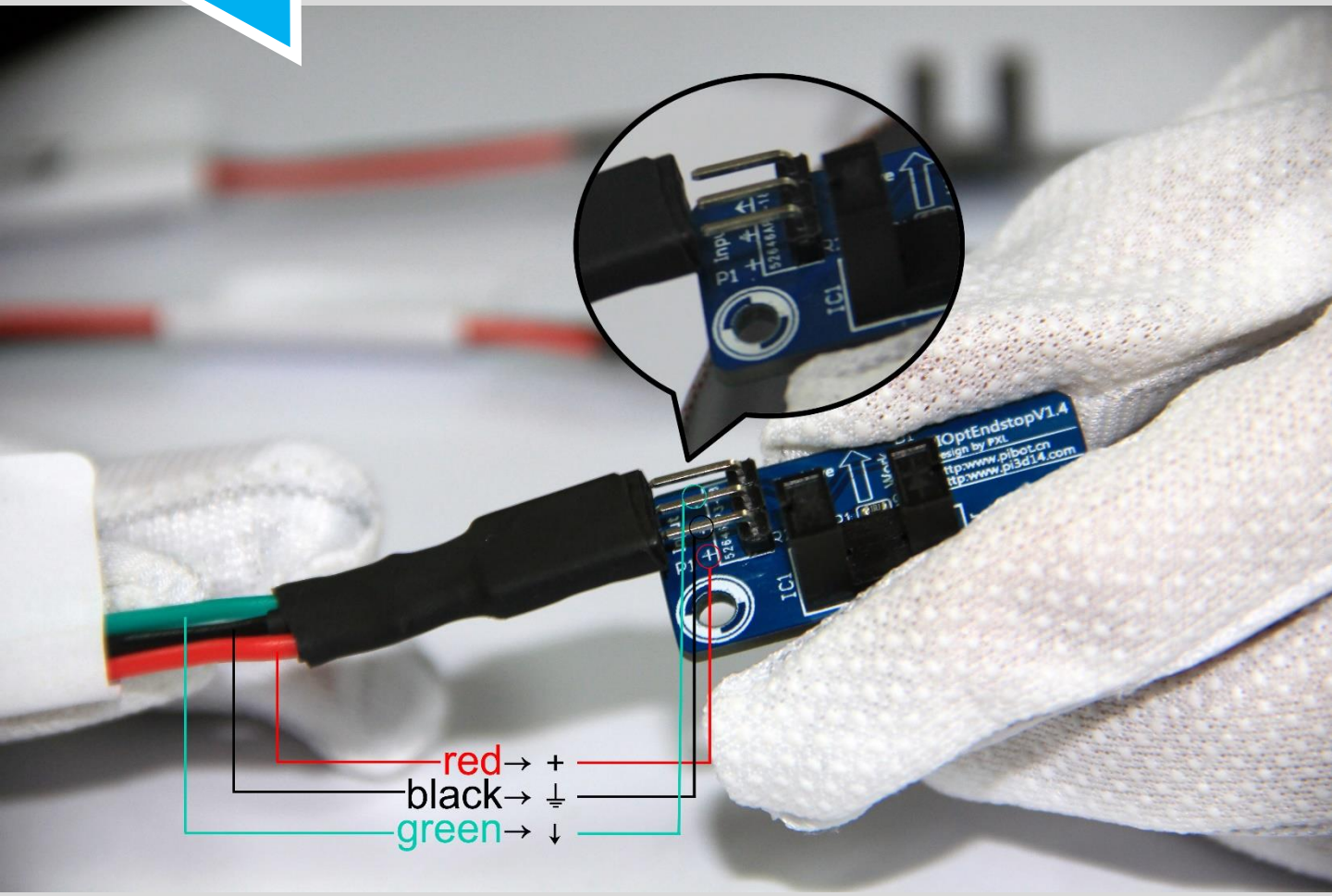
5

The fifthly, it’s turn to Driver power cable and port.



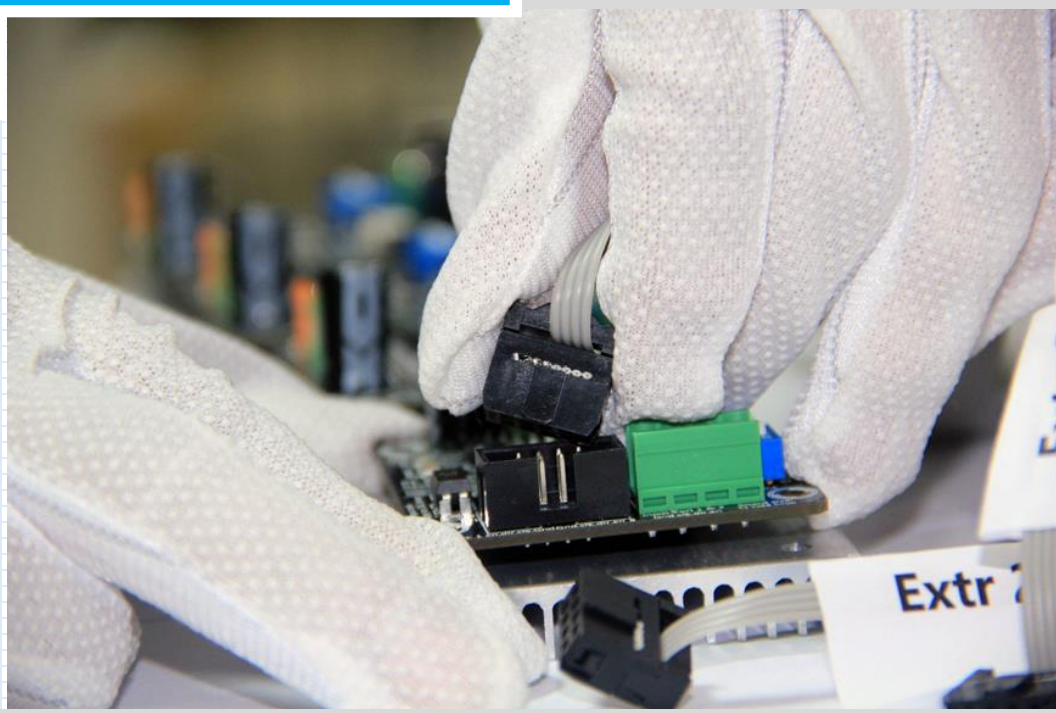
6

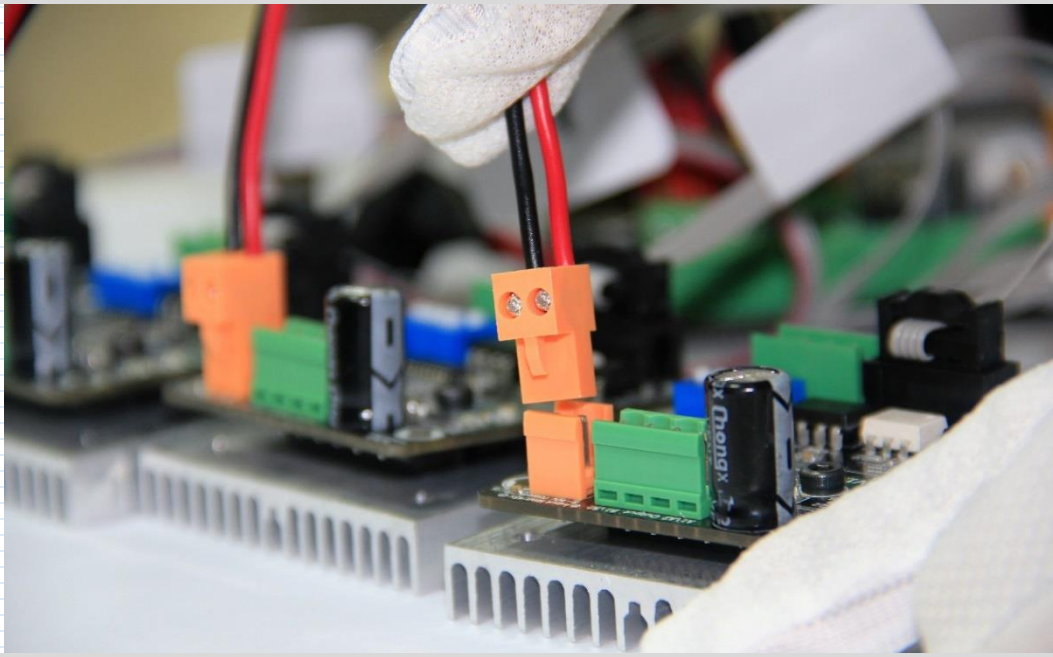
The sixthly steps is connect 3 piece of OptEndstopV1.4 board.



7

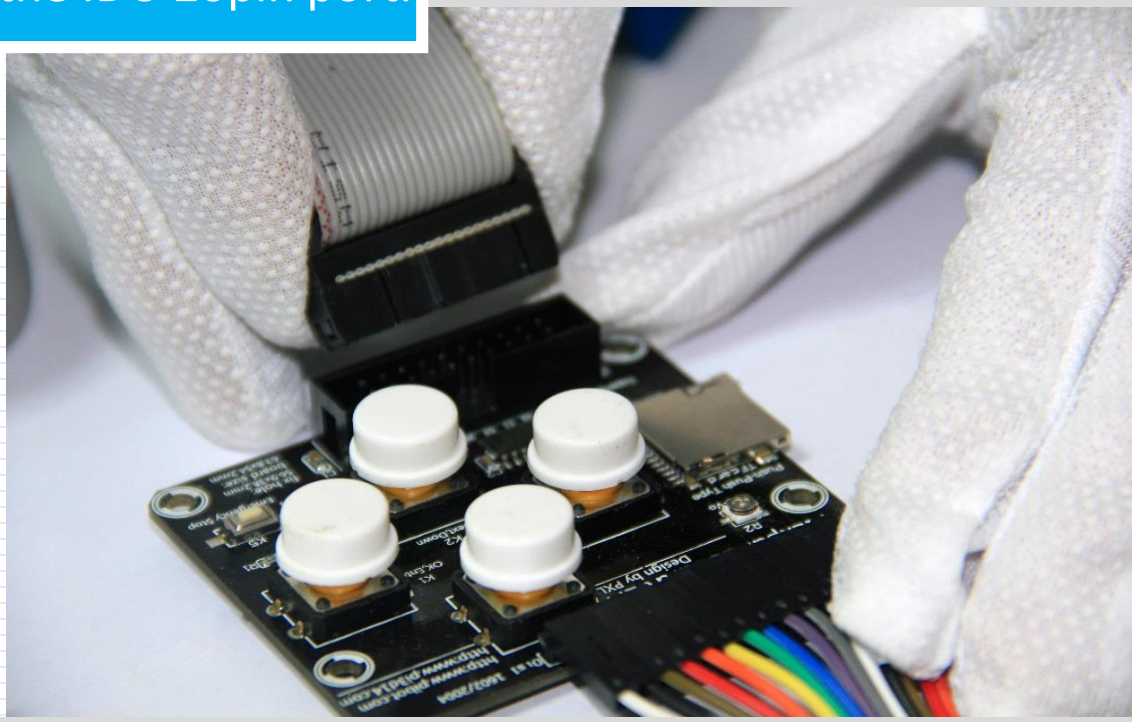
After finish endstop assemble, it’s time to connect the PI-DriverV1.4 board. Both driver signal and driver power terminal should cennecte.





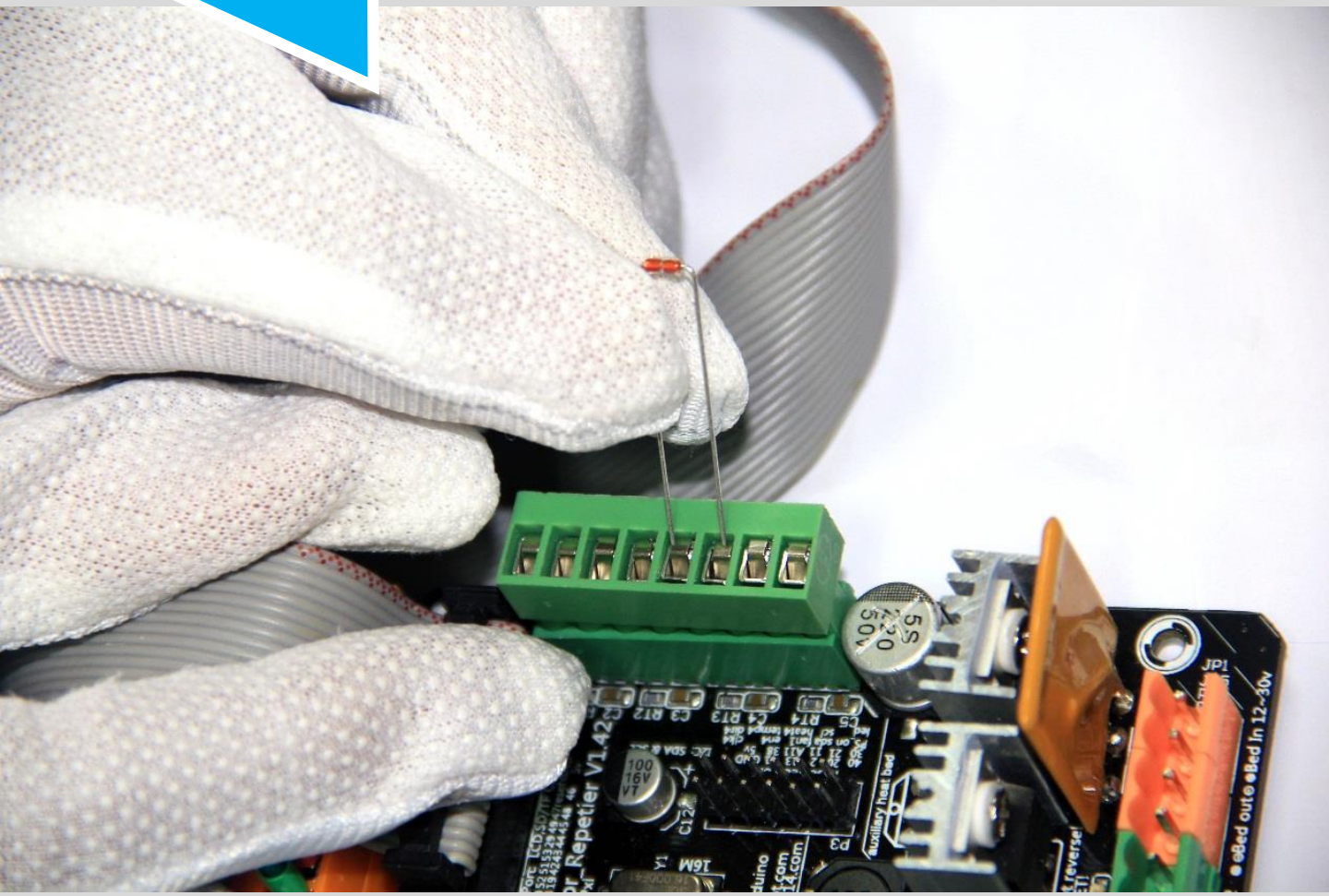
The following steps is link the LCD2004 and controller cable. The LCD cable is the 16 wire rainbow cable.

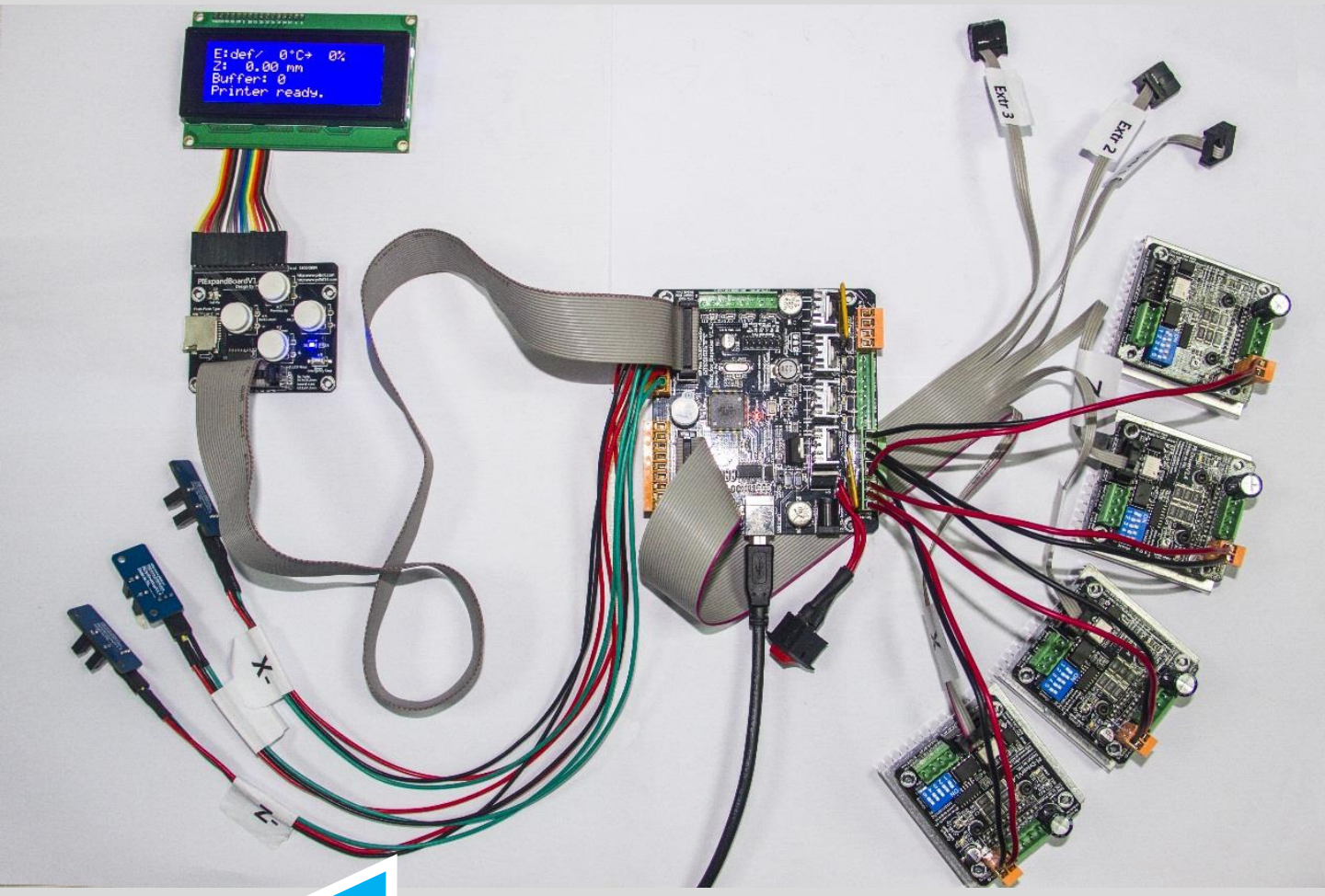
The manual controller connector is the IDC-20pin port.



9

Before you plug in the USB cable, you may want connect the thermistor to sensor the temperature and display it. If not, Of course you can keep it NC.





After steps above, congratulations! It's time to power-up the motherboard. Use the USB cable link the motherboard and computer.